

West Vermont Grand work 10/20/09 1

- 1030- Park meets with OSC Schlieger and Leahy Byrd at Environmental Restoration. OSC explained the treatment system install & gave water to turn. Bobby Samir at 4018 Vermont Landfill Resident gave verbal access but have not signed.
- 1040- Plumber arrives and begins inspecting plumbing. Photo of existing plumbing works.
- 1050- Resident says that existing retention tank is inoperable.
- 1110- Plumber and fixer move to next house at 4018 Vermont. Electrician wiring is a potential problem. Vent might have to be rerouted due to a deck.
- 1130- Plumber is finished looking at papers and will pencil final estimate to ER-leahy (\$317 440 2200) is resident. Tankline in still is for next Wednesday and Thursday.
- 1330- Stick of Indiana rep. Erin Britten is on site. Historical signs at Michigan Plaza and Holt Plaza. Genuine Parts Michigan Plaza photo. They have a vapor intrusion recovery system.
- 1340- Genuine Parts, on site. Photo of SVE system.
- 1345- Apts. have had Vapor Intrusion issues (Michigan Apts).
- 1355- DRI by Alison Trans, TCE plums, SVE system.

2 WEST VERMONT STREET GW 10/20/09

1400 - Mon, Nov. 2nd, PRPs will gauge monitoring wells. OSC Flaks + S in EPA presence

1600 - Back return to Holiday Inn as ends work day

Jul 10/20/09



NAICS: 562910
GSA Contract
GS-10F-0291S

**ENVIRONMENTAL
RESTORATION LLC**
2750 Constant Comment Place
Louisville, KY 40299
www.erllc.com

Richie Byrd
Emergency Response Manager

Office: 502-643-4120
24 Hr. Emergency: 888-814-7477
Fax: 636-680-2459

Mobile: 317-491-4128
Email: r.byrd@erllc.com

Log Book Notes

W. Vermont Street Site

11/7/09

Weather – Nice ~ 60 °F

- 0330** START member Jon Colomb mobilizes to Site from Chicago, IL.
- 0800** Arrive at 4018 W. Vermont Street and meet with ERRS Remediation Manager Richie Byrd. RM Byrd briefs Jon on the work they will be doing today.
- 0817** Payne Electric Co, Inc. arrives on Site.
- 0825** The resident at 4018 W. Vermont, Katherine Mueller meets everyone out back and grant access to the house.
- 0830** Electrician opens electrical panel and deems that it is unfit and unequipped to handle the full electrical demands of the house with the newly installed stripper system. (PICTURE)
- 0853** Electrician shuts off power to the house and begins removing the electrical components from their circuits (PICTURE)
- 0944** Electrician finishes removing original electrical box and begins installing SIEMANS 100A Load Center electrical panel.
- 1028** Electrical line from the stripper system to electrical box is replaced with a heavier duty gauge wire to prevent surges in the line.
- 1120** New electrical panel installed – each fuse is put in place and tests are run on the major electrical components. Everything seems to be working fine.
- 1131** New circuit breakers are labeled and the electrical panel is closed.
- 1143** Floor access is closed and the renter approves of the completed work.
- 1217** Payne, ERRS, and Weston START leave Site.
- 1625** START Colomb arrives home.

1

10/20/09 (Back notes from START Rauh, originals in START file)

- 1030 Rauh meets with OSC Schlieger and Richie Byrd of Environmental Restoration. OSC explained the treatment system install and gave water to them. Bobby Smith of 4018 Vermont and all residents give verbal access but have not signed
- 1040 Plumber arrives and begins inspection plumbing. Photo of existing plumbing works ————— TS
- 1050 Resident says that existing retention tank is inoperable
- 1110 Plumber and Richie move to next house of 4018 Vermont. Electrical wiring is a potential problem. Vent might have to be rerouted due to a deck ————— TS
- 1130 Plumber is finished looking at properties and will email final estimate to ER-Kathy (317-440-2720) is resident - tentative install is for next Wednesday + Thursday
- 1330 State of Indiana rep ?? is onsite. Historical sites are Michigan Plaza and Genville Parts Michigan Plaza photo. They have a vapor intrusion recovery system. ————— TS
- 1340 Genville Parts onsite, Photo of SVE system. ————— TS
- 1345 Apts have had vapor intrusion issues (Michigan Apts)
- 1355 Drive by Alison Trans, TCE plume, SVE system ————— TS
- 1400 Monday Nov 2nd, PRPs will gauge monitoring wells, OSC requests an EPA presence ————— TS
- 1600 Rauh return to Holiday Inn and ends work day ————— TS

These Lil
for START Rauh

2

June 1962

June 1962

3

St. James
P.L.K.

4

10/23/09 (Back notes from

0730 START Kane arrives ons
Manon County, IN —

0800 START Kane meets with
obtains signed Consent
property at 4042 W Ver
Vermont St which is

0830 START Kane is inform
Removal Manager Rick
chloride filter install
he will have to obtain
installation activities

0900 OSC Brian Schlieger a
Richie Byrd of the
and START Kane can
commercial/industri
considered potential

0930 START Kane, OSC Sel
for the day —

Ethane Ltd.

Therese Ltd.

5

10/28/09 (Back notes from START Kane, originals in START file)

- 0730 START Kane arrives onsite at 4042 W Vermont St, Speedway, Marion County, IN TS
- 0800 START Kane meets with property owner Juanita Smith and obtains signed Consent for Access to Property paperwork for property at 4042 W Vermont St and for property at 4018 W Vermont St which is owned by Peggy Smith TS
- 0830 START Kane is informed by Environmental Restorations (ER) Removal Manager Richie Byrd that parts for the vinyl chloride filter installation are not presently available and he will have to obtain the parts during the day for installation activities to begin on 10-29-09 TS
- 0900 OSC Brian Schlieger arrives to site and is debriefed by Richie Byrd of the present part situation. OSC Schlieger and START Kane conduct reconnaissance activities of commercial/industrial businesses that are presently considered potential responsible parties TS
- 0930 START Kane, OSC Schlieger and RM Richie Byrd offsite for the day TS

These SLs for START Kane

6

10/29/09 (Back notes from START Kane, originals in START file)

0800 START Kane arrives onsite to 4018 W Vermont St, OSC Schlieger and RM Richie Byrd onsite. OSC Schlieger obtains signed Consent for Access to Property paperwork from renter of property Katherine Mueller (Landlord is Peggy Smith). ————— DS

0845 Two plumbers arrive onsite (Doug Scaggs + Richard Semmer) from B+W Plumbing Speedway, IN 46224 Telephone 317-243-3111 Fax 317-243-4444 email www.bplusw.com ————— DS

0915 Plumbers measure door leading down to subbasement (29".00) and will have to remove door due to width of air stripper canister that is part of the vinyl chloride treatment system. ————— DS

0930 Plumbers will have to access side entry door in order to move air stripper into house prior to entry into sub-basement ————— DS

0940 Plumbers assessing where holes will have to be cut for plumbing setup (4" PVC pipe) from interior to exterior of rear of house near where existing AC unit is located

1000 Plumbers utilize pump to drain existing 80 gallon pressure tank due to no drains in sub-basement of 4018 W Vermont. Note drainage hose pump leads outside to garden area.

1100 Installation activities continue at 4018 W Vermont. Plumbers in process of fabricating copper pieces within back of company work truck and figuring out placement logistics of majority of treatment system and associated copper and PVC piping in relation to existing well treatment system located in sub-basement. ————— DS

1130 Plumber returns with a uni-body strut mount for pump that will be attached to top of treatment pressure tank (according to plumbers this is the ideal setup). RM Richie Byrd along with START Kane overseeing installation activities within sub-basement. ————— DS

10/29/09 CONTINUED

1230 Plumbers begin circ pipe will exit from activities continue

1330 Plumbers have com Plumbers identify system setup that contain seals - Photo to be swapped out

1400 Plumbers will swit unit and test syste measured and cut of house. —————

1430 Installation activitie now confirm no leak PVC pipe activities u run to blower to s

1545 Installation of PVC co house near AC unit line and additional towards the roof. N exhaust pipe to disc other large materia

1600 Filter installation ac Electrician will be activities associated

1630 All personnel offsite

Anna L.

7

RT Kane, originals in START file)

10/29/09 CONTINUED

4018 W Vermont St, OSC

onsite. OSC Schlieger

Access to Property paperwork

Kenne Mueller (Landlord

TJS

Doug Scaggs + Richard Semineri

IN 46224 Telephone 317-243-3

w. bplusw. com TJS

ing down to subbasement

remove door due to width of

part of the vinyl chloride

TJS

ss. side entry door in order

use prior to entry into sub-

TJS

holes will have to be cut for

from interior to exterior of

existing AC unit is located

rain existing 80 gallon pressure

sub-basement of 4018 W Vermont

leads outside to garden area.

ue at 4018 W Vermont. Plumbers

pper pieces within back of

figuring out placement logistics

system and associated

relation to existing well

in sub-basement. TJS

ni-body strut mount for pump

top of treatment pressure

this is the ideal setup). RM

START Kane overseeing install-

basement. TJS

1230 Plumbers begin cinder block coring activities where 4" PVC pipe will exit from sub-basement. Filter system installation activities continue within sub-basement by other plumber

1330 Plumbers have completed cinder block coring activities. Plumbers identify faulty part of vinyl chloride filter system setup that is causing leaks (actuator valves that contain seals - Photo documented) Leaking valves will have to be swapped out and replaced TJS

1400 Plumbers will switch out actuator valves from another unit and test system. PVC conduit system presently being measured and cut for installation of pipe run outside of house. TJS

1430 Installation activities continue within sub-basement. Plumbers now confirm no leaks with replaced actuator valves. Outdoor PVC pipe activities underway i.e. PVC elbow to straight run to blower to straight run. TJS

1545 Installation of PVC conduit and blower from backside of house near AC unit is complete. Pipe extends above roof-line and additional pieces added gives a 45 degree bend towards the roof. Metal mesh wing placed within lip of exhaust pipe to discourage birds from nesting and any other large materials from entering exhaust lip. TJS

1600 Filter installation activities completed at 4018 W Vermont St. Electrician will be onsite tomorrow for electrical wiring activities associated with filter system. TJS

1630 All personnel offsite TJS

Jenna L.L.
for START Kane

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10/30/09 (Back notes from START Kane, originals in START file)

0830 START Kane, OSC Schlieger onsite. Richie Byrd onsite at 0815. Electrician from Guardian/Dowdy Electric onsite at 0830 (David Reynolds). TJS

0900 Plumber (Richard Sommers) from B+W onsite to install vinyl chloride filtration system at 4042 W Vermont St on main floor of residence in area between house and garage (addition). Electrician starting at 4018 W Vermont will wire electrical box for pump and blower to city code standards. When completed electrician is scheduled to wire filter system at 4042 W Vermont St TJS

1000 Electrical wiring activities continue at 4018 W Vermont.

Plumbing activities continue at 4042 W Vermont St

1030 Electrician has finished wiring activities at 4018 W Vermont and will begin wiring at 4042 TJS

1230 Wiring activities completed at 4042 W Vermont, electrician offsite. Filter installation activities continue. TJS

1300 Filter system (pump, blower and air stripper) activated at 4018 W Vermont. START Kane provides photo copy of signed access agreement to renter (Kathy Mueller) at 4018 W Vermont. TJS

1400 Filter installation activities continue at 4042 W Vermont. System at 4018 W Vermont functioning normal. TJS

1500 OSC Schlieger offsite, installation activities continue at 4042. TJS

1700 Filter installation activities have been completed at 4042 and system has been activated, and is operating normally. START requests a re-check of operations to confirm no leaks at 4018 W Vermont St. Due to heavy and persistent rain throughout the afternoon, the RM will return to site on Monday November 2 to seal the gap around the PVC pipe that exits the backside of the house with silicone caulk. The RM will also bring more bottled water to both

10/30/09 continued

residents. NOTE: Spee representative who stating he will o both residential f will process the s laboratory analysis Thursday November to still drink bottle much as possible caulking is needed resident already h

Therese LCC

originals in SPART file)

10/30/09 continued

site. Richie Byrd onsite at
n/Davidy Electric onsite at

TJS

n B+W onsite to install
at 4042 W Vermont St on
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np and blower to city code
ctician is scheduled to
; Vermont St

TJS

hine at 4018 W Vermont.
t 4042 W Vermont St
activities at 4018 W Vermont

42

TJS

4042 W Vermont, electrician
vities continue.

TJS

(air stripper) activated at
rovides photo copy of signed
(Kathy Mueller) at 4018

TJS

ontinue at 4042 W Vermont.
ctioning normal.

TJS

ation activities continue

TJS

ave been completed at 4042
d, and is operating normally.

operations to confirm no leaks
heavy and persistent rain

RM will return to site on
the gap around the PVC pipe
the house with silicone caulk.

2 bottled water to both

residents. NOTE: Speedway/Monon County Health Department
representative who is in correspondence with OSC Schlieger
stating he will obtain post filter water samples from
both residential properties on Monday November 2 and
will process the samples to their internal lab for
laboratory analysis and potential receive results by
Thursday November 5, until then EPA advised residents
to still drink bottled water and to flush the system as
much as possible over the weekend. NOTE: No silicone
caulking is needed at 4042 due to existing piping that
resident already had.

TJS

Theresa L.L.

for SPART Kane

10

11/7/09 (Back notes from START colomb, originals in START file)

- 0830 START member Jon Colomb mobilizes to Site from Chicago, IL
- 0800 Arrive at 4018 W Vermont Street and meet with ERPS Remediation Manager Richie Byrd. RM Byrd briefs Jon on the work they will be doing today. ————— DS
- 0817 Payne Electric Co, Inc arrives on site. ————— DS
- 0825 The resident at 4018 W Vermont, Katherine Mueller meets everyone out back and grant access to the house
- 0830 Electrician opens electrical panel and deems that it is unfit and unequipped to handle the full electrical demands of the house with the newly installed Stripper system (PICTURE) ————— DS
- 0853 Electrician shuts off power to the house and begins removing the electrical components from their circuits (PICTURE) ————— DS
- 0944 Electrician finishes removing original electrical box and begins installing SIEMANS 100A Load Center electrical panel
- 1028 Electrical line from the stripper system to electrical box is replaced with a heavier duty gauge wire to prevent surges in the line. ————— DS
- 1120 New electrical panel installed - each fuse is put in place and tests are run on the major electrical components. Everything seems to be working fine. ————— DS
- 1131 New circuit breakers are labeled and the electrical panel is closed. ————— DS
- 1143 Floor access is closed and the renter approves of the completed work. ————— DS
- 1217 Payne, ERPS and Weston START leave site. ————— DS
- 1625 START colomb arrives home. ————— DS

Jherne LLC for START Colomb

11

Colomb, originals in START file)

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Street and meet with EERS
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to the house and begins
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major electrical components
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labeled and the electrical

the renter approves of

ART leave Site DS

DS

Colomb

Drone Lilt

12

11/23/09

EST 0705 START Seilheimer leave

EST 1045 START Seilheimer arrive

EP personnel (Richie
North American Aqua

1105 P Smith lets all pers

NAA takes top off s

tape around Seal c

is most important or

NAA says may want

number of 90° elbow

efficacy of the syst

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1130 P. Smith lets all pers

NAA says system to

Seal of system. NAA

want to think about

says each house sy

Each system has a

reaching the system

EPA to get a hold o

to check to see if

EPA to get NAA mor

may need to check o

Dec 8th meeting for

1205 All personnel offsite

Done
SLY

Done

13

11/23/09

Monday

EST 0705 START Seilheimer leaves residence in Merrillville, IN ——— TJ5

EST 1045 START Seilheimer arrives onsite at 4018 W Vermont St ——— TJ5

EP personnel (Richie Byrd & JT), EPA OSC (B. Schliegel) onsite
 North American Aqua (Oli Olafsson) onsite, Owner (P. Smith) onsite

1105 P. Smith lets all personnel into 4018 W Vermont St residence.

NAA takes top off of system - everything looks fine. Duct
 tape around seal of system. NAA says usually flow rate
 is most important component of how well system works.

NAA says may want to reconfigure PVC to lessen the
 number of 90° elbows, but that shouldn't affect the
 efficacy of the system especially due to the VC concentra-
 tions. NAA says system looks/sounds great though. ——— TJ5

1130 P. Smith lets all personnel into 4042 W Vermont St residence.

NAA says system looks/sounds great. Duct tape around
 seal of system. NAA puts sock over filter. NAA says may
 want to think about switching systems to carbon. NAA
 says each house system could use auxillary blower.

Each system has a port that samples can be taken before
 reaching the system. ——— TJ5

EPA to get a hold of Marion County Health Department (Adam)
 to check to see if more samplers have been collected.

EPA to get NAA more analytical results/water parameters.

May need to check out 4017 Cossel residence ——— TJ5

Dec 8th meeting for site in Indianapolis (EPA, IDEM, PRP) ——— TJ5

1205 All personnel offsite ——— TJ5

Therese Seil

14

12/16/09 25° Sunny

Wednesday

12/16/09 continued

(EST) 1245 T. Seilheimer (Weston START) arrives at Government Center North Building (100 N Senate Ave, Indianapolis) for meeting.
Receive call from B. Schlieger (EPA OSC)

1305 Meet up with E. Brittain (IDEM)

1336 Begin meeting with the following personnel:

IDEM -

Richard Harris (234-0966)

Sarah Johnson (234-0997)

Bill Holland (234-0967)

Erin Brittain

ARCADIS -

Sarah Fisher (236-5213)

Heather Gastaneau-Lyons (236-5214)

MUNDELL -

Reena Lothe (630-9060)

John Mundell ↓

AIMCO -

Stephen Evanoff (303-691-4560)

GM -

David Favery (217-522-6714)

GPC -

Bob Lewis (770-858-2564)

Keramida -

Andrew Giremos (317-685-6606)

MCHD -

Pam Thevenow (317-221-2266)

Adam Rickert (317-221-2298)

EPA -

Brian Schlieger

Don Heller

① Allison Transmissions

Drawing 1 Poter

Drawing 2

Drawing 3 VOC

Arcadis wells in

Don't have Sampling

② Keramida

Deep GW Results

Shallow GW Resu

③ MI Plaza

Conducted further

going south a

but most like

GW samples colle

concerned about

IDEM-DNR doesn't r

further delineation

distinction between

have to do further

MCHD-residents need

needs to change; Cu

as many wells as

residences weekly.

EPA-working towards

residential wells; both

temporary fix; 3rd re

hasn't responded to

15

Wednesday

12/16/09 continued

Wednesday

ver at Government Center
Ave, Indianapolis) for meeting.
r (EPA USC) _____
EM) _____
sing personnel:

① Allison Transmissions (AT) / GM _____ TJS

Drawing 1 Potentiometric Map S2 Unit 11/2009

Drawing 2 ↓ S3 unit ↓

Drawing 3 VOC Analytical Results

Arcadis wells in S2/S3 zones ⇒ ND

Don't have Sampling Program in place at this time

② Keramida _____ TJS

Deep GW Results 11/2009

Shallow GW Results ↓

③ MI Plaza _____ TJS

Conducted further sewer evaluation - no sewer lines

going south on Michigan, not sure about septic lines
but most likely present

GW samples collected

Concerned about lack of delineation

IDEM-DNR doesn't necessarily follow gw flow, more follows till;
further delineation is needed; doesn't believe there is a good
distinction between S2 and S3 and will need more wells;
have to do further investigation in SE corner of AT/GM property

MCHD- residents need public water, their current situation
needs to change; current sampling plan includes sampling
as many wells as possible quarterly and sample the 3
residences weekly.

EPA- working towards establishing public water and abandoning
residential wells; bottled water/treatment systems is only a
temporary fix; 3rd residence doesn't have bottled water and
hasn't responded to any correspondence sent out; EPA will

16

12/16/09 continued

Wednesday

initially pay for residential water hook-ups; if no one agrees to do additional work that is needed then EPA could potentially do this and then seek reimbursement from the RP at a later date.

All 3 companies believe they have done enough investigation and all believe that the contamination is not coming from them.

IDEM/EPA will have a call at a later date to discuss

1530 Weston START efforts

JDS

James Ditt

0900

Meeting at
Lawn, VRR C
Erin Britton
in a truck
Don Hoffer for
OSC Schlegel
another truck
41017 Cassel
has been rec

0915

Meeting begins.
went to ask
system for
well gauging
Erin reports
monitoring well
test site
Erin's sites
Michigan Plaza
that some
not be near
far away from
IDEM can do
Parks and
EPA says
under enforcement
willing to do
wells. Alison
"12 and 14"
possible dates
Plaza meeting
wells with
IDEM has a
on file 18th

17

Wednesday

2/11/10

water hook-ups; if no one
that is needed then EPA
should then seek reimbursement
E.

have done enough investigation
contamination is not coming

at a later date to discuss.

TJS

8:00

Meeting at IDEM. OSC Schliker, OSC
Lam, VRR (Indiana) Bill Holland, IDEM
Erin Brittain, Sarah Finley IDEM, START Realty
in attendance.

Don Heller from RCRA is not able to attend.
OSC Schliker reports that he will install
cluster treatment system in the area
41017 Cassel Road (William Hagen). He
has been receiving bottled water.

8:15

Meeting begins. Shelby says that they
want to ask Lam to turn off remediation
system for a month for prior to
well grouting (uses groundwater).

Erin reports that she has a list of
monitoring well for her two sites
that she has forwarded OSCs.
Erin's sites are Genuine Parts and
Michigan Plaza. OSC Schliker says
that some Alison data ~~from~~ may
not be needed because they are
far away from the plume.

IDEM can obtain data for Genuine
Parts and Michigan Plaza.

EPA says Genuine Parts could be put
under enforcement. Michigan Plaza is
willing to discuss putting in additional
wells. Alison focus should be on areas
12 and 14.

Possible dates for proposed Michigan
Plaza meeting about installing more
wells with possible USEPA enforcement.
IDEM has a meeting with Genuine Parts
on the 18th.

18

2/10/10

Proposed meeting on the 23rd for Michigan Plaza in the afternoon. (1200 Access, 1400 for Michigan Plaza)

Discussion of Vapor Sampling results. Need access agreements, EPA will let IDEM look at plan for sampling will include impacted homes. OSC Lim proposes starts with 3 affected homes.

Shelly Lim says that we are moving on two parallel paths with vapor and groundwater.

Shelly will send another action item list.

0930 - Additional oversight for Wednesday schedule 2/17.

submitted to record clerk or not - Create a documentation log (excel sheet. Name, date, author, version) Share point data repository. Gordon clerk of records. (Patty Kruse is EPA PR rep.)

- Find it Netlix has Arc editor or ArcInfo Shelly wants Geo database. Will work with her for training.

- Air access agreement

- See if Rudy knows whether to do both @ same time or just sub slabs first. And if avail on 23rd.

- Well gaging - Contractor need PLS stamp.

- Pumped treat system should be forced off? How long? Andris ramifications of why cannot shut off.

- US EPA will hydrogeologist Schliesser will address for property fact access agree

6 23rd for Miskig
an. (1200 Agencies)

Sampling logs.
TS, EPA will
Plan for sampling
d homes. OSC
with 3 attempts

if we are moving
US with vapor

water action item

for Wednesday

an log (except
a. hour, version)
activity. Gordon
Patty Krause is

is ARC editor of ArcInfo
of base. will
init.

whether to
the at just
and if avail On 23rd
for need PLS

om should be
7 Andris
cannot shut off

- US EPA will consider consulting ERT
hydrogeologist and ATSDR. OSC
Schlenger will attempt to obtain
access for monitoring wells.
- Property to be in site - other
access agreements (sent, signed)

20

2/8/10 WEST VERMONT STREET

0900 ER Rags, Penny and
 Richie on site. START
 Pack and OSC Schlieger on site.
 OSC Schlieger obtains signed access
 agreement from Mr. Hagen, owner of
 4012 Cassell.

0930 ER begins unloading filter parts.
 Richie reports that refurbished
 flow gauge starts at 2333 g-l.

1100- ERBS continues construction planning
 and wet works with PVC
 pipes and fittings.

1200- Crew breaks for lunch

1230- Crew back to work. Air stripper is
 installed, still working on carbon
 component

1700- ducting running outside house is complete

1600 problem with packing fittings. ERBS reworks
 some of the PVC pipes with fresh
 glue and lets it cure for 2 hrs.

2200- All personnel off site. Resident's water
 is back on and working. Corbin
 filter, and filter is still in comp.
 Electrician will complete last stage
 tomorrow morning

Jul 2/8/10

WE

0930 START RAL
 Richie on c
 Payne Elect
 is running pa
 ERBS is runne
 1300- Payne Electric
 on fixing cl

21

- STREET

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sik. START
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 is signed across
 Hagerman's st

filter parts
 1. re-furbish leg
 of 2333 g-l.
 struts plating
 with PVC

- C

Air stripper is
 ing on carbon

base is complete
 thing. ERS ready
 ies with ash
 out for 2 hrs.
 . Resident's water
 orking. Corbin
 install 12 comp
 complete test stage

WEST VERMONT STREET 2/19/10

0930 START Rack and ERS Runy and
 Rickie on on sik. Subcontractor
 Payne Electric is a sik. Electrician
 is running power wire to control box.
 ERS is connecting final pieces of tubing
 1330- Payne Electric off sik. ERS is working
 on fixing water leak

22

3/2/10

West Vermont Reclamation

1300

Meeting with IDEM VRP. OSC's

Brin Schlieger and Shelly Loun with

Erik Britton, 2 other VRP representatives and

START Ruck in attendance. Begin discussing Act

1305

MP agrees to addit'l investigation, but not

not. OSC Schlieger reports that information

team may become involved. MP dry clean,

will come later today. MP injected

"Cap 18" which could cause problem to

spread. Cap 18 - 2X, in 2007. It

was so much cap 18 that it appeared

as product on top of the water table

MP agrees to one well for addit'l

investigation.

- VRP agrees that proposed location of addit'l Allison wells are good in "S-3" unit

- Access agreement for 4012 Russell is signed one Vermont property is a San directed

- tentative date for vapor sampling is March 23 2010. Suggestions to sample ambient air at the same time, 1

- hr before, suggestion is from VRP.

- Access granted for monitoring wells for Allison

- MP & UP agrees to EDR Forum (instead of pdf)

- Shelly has request ATSDR consult action plan

- Gary Nordhart is the ERT consult for addit'l action items

- OSC Schlieger says a public meeting is possible, or fact sheet should be

- beneficial.

- May 3rd or 4th ^{or May 10th} could be a good time for going

West Vermont

- New action item

- Search ^{well} and To

- (consulting err.

- represent Michi

- John gives for

- activities, I

- see it, does

- PRP.

- There is a new

- aquifer names

- MP would like

- more wells to

- "lines of resist

- lines)

- John says the

- facility that

- John says the

- to get access

- he agrees to c

- access. John sa

- the 1st week

- for the discuss

- OSC Schlieger

- April 6th @ 13

- OSC Loun likes

- pump shut

- do it the

- Russell departs

- drinking water

- Treatment is je

- IDEM will be

- former light

23

+ Contamination
 - M V.R.P. OSC's
 Shelly Com with
 RP representatives
 and. Both discussing
 investigation, b.p. d.p.
 reports, flat information
 which MP (dry clean)
 y. MP injected
 cause problem for
 in 2007. It
 that is appeared
 at the water table
 all for add'l

posed location of
 is one grade in "S-3" unit
 4012 Cassell is saying
 is a sandstone
 v. par sample is
 suggestions to sample
 at same time, I
 in is from V.R.P.
 monitoring wells

ERR Forum (in studio)

TSRR consult action plan
 ERT consult for

public meeting is
 at should be

be a good time for going

West Vermont Contamination 3/2/10

- New action item is to obtain keys for wells.
- Sarah ^{Wells} and John ^{Murphy} from from Muddell Consulting arrive to meeting. They represent Michigan Placer.
- John gives technical overview of past activities. The potentiometric data, as they see it, does not point to them as PRP.
- There is a nomenclature discrepancy b/tw aquifer names.
- we would like to see Allispe in still more wells before they do based on "lines of resistivity" (2D resistivity geophysical lines)
- John says that their historical auto repair facility that people aren't paying attention to. John says that it could be difficult to get access for a well in the cemetery. He agrees to contact cemetery about possible access. John suggests to have a meeting in the 1st week of April to share data and further discuss strategy.
- Dr. Schlieger proposes a meeting for Tuesday April 6th @ 1330. Meeting ends at 3:00pm.
- OSC Com likes suggestion to gear before pump shut down. Tentative plan is to do it the 2nd week of April.
- Health Department didn't know about drinking water wells until July 09. Treatment injections were in 07 & early 09.
- IDEM will supply post phase I's for former light industrial corridor.

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- send of much (in Chicago) w/ Natl.
- ftr. from EPA, see maps from Muddell.
 - PLS for Indiana ^{it/leg to} Assess to Causality.
 - Natalie make a site wide figure of MW locations & wells to be gassed. (approx day is OK)
 - START doesn't need GPS, L/C survey do it
 - Survey for the 3rd or 14th of May.

0820

Muccianni (WESTON)

CHICAGO

0930

INDIANA TIME MUCCI

25

0420 ~ wfw (Motel)
inps firm

0120

MUCCIANTI (WESTON STAFF) MOBILIZES TO SITE FROM
CHICAGO

1220

INDIANA TIME MUCCIANTI ARRIVES AT HOTEL

8 to Council Bluffs,
ide figure &
to be gassed.

is L/C survey

14K & Map.

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3/16/2010 38° SUNNY

TUESDAY

DENNY

West Vermont St.

0900 MURCIANTI (WESTERN STREET) AND ^{MR.} ~~ETHEL~~ DYED (ER PERSONNEL)
ARRIVE AT 4012 VERMONT ST. AND WAIT FOR RESIDENT
AND NORTH AMERICAN AQUA

0920 OLI (MODERN AQUA) ARRIVES

OLI BELIEVES THAT ^{THE} ~~IT~~ IS AN ELECTRICAL ISSUE —
SYSTEM WAS CHECKED AND WORKS WELLS (P1)

1000 HOMEOWNER ARRIVES AT SITE
IN HOMEOWNERS BASEMENT (P2)

1025 TESTING OLD SYSTEM W/ CHANGED CAPACITOR (P3)

NOTES

VALVES ARE NOT OPENING UP SO FAN IS
CONTINUOUSLY RUNNING THUS HAVE TO USE
CARBON SYSTEM WHICH IS LESS EFFICIENT
BYPASS

1010 SYSTEM SEEMS TO WORK / DOUBLE CHECKING /
DRAINING SYSTEM AND HAVE HOMEOWNERS TAP
ON TO SEE IF IT KICKS IN

1028 SYSTEM IS WORKING AND FILLING BLACK
TANK / WAITING TO SEE IF FAN STOPS AFTER
TANK FILLS

~ PROBLEM MAY BE THE VALVE POSITION
FROM ALL THE WAY RIGHT TO MIDDLE (P4)

1030 OLI TO CALL PLUMBER TO POSSIBLY A
BYPASS VALVE WHEN HE LEAVES

1040 PERFORM 2ND TEST / SYSTEM WORKED

1045 PERFORM 3RD TEST / SYSTEM WORKED

TURN OFF TAP TO SEE IF PUMP STOPS /
PUMP STOPPED

1049 TAPPING BYPASS VALVE INTO PLACE (P5)

1055 WESTERN STREET / ER & NORTH AMERICAN DEMORE

0830 Ranch on site.

Brial Schliegel

0845 Team selects
for sample p.0900 osc. lum. sup.
in the future.

sid. s.l.g.

0905 START Kirk l.c.

0945 4012 Gossell II - SS

1000 4012 Gossell - AA

1045 Team 12st/11,

W. Vermont

1100 4012 W. Vermont,

There is a p.m.

consider I

vacuum. The

replacement

with micros.

caliber by

1115 Team starts se

4042 W. Vermont

1110 Start sleep

4018 W. Vermont

1600 Team ditches

SAL

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TUESDAY

West Vermont Street Contamination 3/23/10

DENNY
 FETTER BYED (ER PERSONNEL)
 NO WAIT FOR RESIDENT
 ELECTRICAL ISSUE
 ELLS (PI)
 CAPACITOR (PS)
 FAN IS
 TO USE
 EFFICIENT
 CHECKING/
 MEASURES TAP
 BLANK
 STOPS AFTER
 POSITION
 TO MIDDLE (PL)
 SS104 A
 WORKED
 WORKED
 PUMP STOPP/
 E (PS)
 BLANK DAMAGE

0830 Ranch on site. OSCS Shelly and
 Brian Schlienger on site.
 0845 Team selects a location near a fence
 for sample port.
 0900 osc team suggests using digger cans
 in the future for better access to
 sub sls.
 0915 START Kirk led on site at 0840.
 0945 4012 Gossell-SS-032310 starts
 1000 4012 Gossell-AA-032310 starts
 1045 Team installing sample probe at 4012
 W. Vermont
 1100 4012 W Vermont-SS-032310 starts
 There is a problem with one sample
 collector. It clogged with the
 vacuum. The L&S is coordinating a
 replacement. ALS will coordinate
 with microbac to deliver a sample
 collector by 1400.
 1115 Team starts setup of sample port at
 4042 W Vermont
 1510 Start sample ~~port~~
 4018 W Vermont-SS-032110
 1600 Team debriefs for the day

all 3/23/10

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3/24/10 W. Vermont Steel contamination

W Vermont St Co

1200- Raul arrives
 1220- Sample 4042
 1330- Raul ships
 documents from

0930 START Raul and OSC Schlieger
 are on site.

0945 START Kirkland on site

0950- Sample 4012 Correll-SS-032310 stops

1000- Sample 4012 Correll-AA-032316 stops

1100- sample 4042 W Vermont-SS-032310 stops

1130- There is a problem with sample
 4018 W Vermont-SS-032310. No vacuum
 has left the canister. A manometer
 reads -30"Hg. The problem is pinpointed
 to the regulator. There is still
 vacuum in the can, so the remaining
 regulator will be used and the
 sample will be started again.
 OSC Schlieger gave approval to start
 the sample again.

1230- Sample 4042 W Vermont-SS-032410
 starts

1510- Sample 4018 W Vermont-SS-032310
 stops

1630- START Kirkland demotes with
 2 sub slab samples and 1 ambient
 air sample. He will deliver to
 ALS lab in Cincinnati. OSC Schlieger
 demotes. Raul will remain in
 Indianapolis and collect the last
 sub slab sample and FedEx it
 to ALS lab

Jul 3/24/10

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L Steel Contamin. Lab

OSC SCHLIER

in SIP

-032310 stops

-032316 stops

-SS-032310 stops

w/ L sample

2310. No vacuum

kg. A monometer

problem is pinpointed

to be still

so the remaining

sed and the

tested again.

approval to start

-SS-032410

-SS-032310

demotes with

and 1 ambient

to deliver to

to. OSC Schlier

remains in

sheet the last

of FROEX it

W Vermont St Contamin. Lab 3/25/10

1200. Raul arrives at 4042 W Vermont St.

1220. Sample 4042 W Vermont - SS-032410 is stopped.

1330. Raul ships sample to ALS lab and
demotes from site.

30

3/29/10

West Vermont Street Contamination

0900- OSC Lem and START Rep Meeting.
Wojcinski meet with START. Raul
at EPA in Chicago.

They are discussing making a map
of the paper files.

0920- Lem and Wojcinski are discussing the
architecture of the geodatabase
water levels will go in the
monitoring data service table
OSC Lem requests graphs of VC
to time

0930- VC time capture analysis of phase
using Tracking Analyst or animation
tool from toolbar. We need to track
down drinking water wells logs
for the affected area.

0935- Data for geodatabase should start
around June 2007 (time before)

0940- OSC Schliager reports that, Grinnell install
the 3 additional proposed wells

0945- Raul will review historical data.

5/25/10

Wes

1800, Public meeting
Schliager and
representative
Bill Holland of
Duff, Knause
exists and
- Dan Knause
speaks next
been sampling
with high
turned over to
people to con-
- Bill Holland
Representing
on Genie
operating in
removal in
After discove-
millage &
plumas price
Resident ask
to Casoli,
says still
Resident asks
Resident ask
state, a farm
or cleaners
says that
a difficult
creep.
- Dan Heller from
Truss mission.
Set Gm file

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street contamination
 RT Rep. Meeting
 with START. Paul
 JD.

making a map
 and discussing the
 geodetic site
 go in the
 the table
 copies of VC

is of phase
 1st or animal fish
 seemed to track
 in the logs
 can.

should start
 (time before)
 help ground install
 used wells

critical data.

5/25/10 West Vermont Street
 1800, Public meeting for community. OSCs
 Schlienger and Lonn are present. USEPA
 representative Patti Krause is present.
 Bill Holland of IDEM is present.
 Patti Krause introduction. Wessip
 exists and Patti is contact
 - Dan Kavanaugh with MCHD
 speaks next. Update on background
 been sampling for a year. 2 house
 with high VC, after consistent results
 turned over to IDEM & EPA. Encourage
 people to continue to allow access
 - Bill Holland IDEM speaks next.
 Representing EPA. Background
 on Groundwater. Installed air
 sampling in 2001. Soil contamination &
 removal in 2004 for Trichloroethylene
 After discovery of PCE, pointed to
 multiple places dry cleaners. VC
 plumes probably merged.
 Resident asks how MCHD report
 to Cassell. Bill Holland at IDEM
 says still looking for potential sources
 Resident asks about "rot of crop".
 Resident asks about leaking of "central
 tank", a former business on Holt & Washington
 or cleaners on Rockwell Road. IDEM
 says that contamination would have
 a difficult time getting past Big Lake
 creek.
 - Dan Heller from USEPA to discuss Alison
 Trans mission. Alison is separate from G.M.
 but G.M. follows investigation. Follow

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metals & lubricating oil. Diesel
 release migrating to Big Eagle creek
 mat covering area is a PCE
 degreaser under ground. Can installed
 remediation system. Can has seen
 filling in data gaps with additional
 monitoring wells & have non-detect
 data. Resident asks if Alison
 plans to put in a cul de sac will
 cover monitoring wells. EPA will
 review cul de sac construction plans.
 Resident says the plans were cleared
 with Metropolitan Planning Department.
 Resident asks why only testing
 at a certain depth. EPA says it's
 because of geology of sand and clay
 layers. Resident asks who is collecting
 samples. Resident suggests an independent
 party to sample.

- OSC Schlieger is speaking. Purchaser
 drinking water for residents. Then
 installed treatment systems. EPA policy
 to provide clean water to any affected
 residents. Plans to gauge wells. Future
 plans to connect to city water. Says that
 it's a 3-4 month process. Plans to
 determine source by isotopes. Checking
 on vapor intrusion.

- OSC Can is speaking. Speaks about
 vapor intrusion study. Gas blub samples
 were collected. Found a VOC
 in all 3 houses. ASDR says it's
 above action levels for radon

exposure is
 is Rapid r
 asks about
 water. OS
 mechanisms
 of municip
 says all in
 know about
 a normal way
 about septic
 marine can
 septic is
 heat up a
 future sam
 ple" for, t
 1972. OSC Schlieger
 to resident
 1972. Resident a
 municipal
 of water

oil. Diesel
 Big Eagle creek
 is a PCE
 1. Can install
 can has seen
 with L. odd /
 have non-detect
 s if Al30s
 ul to see wil
 EPA will
 construction plans
 plus more closely
 using Department.
 only testing
 EPA says it's
 to sand and clay
 s who is collecting
 suggest an independent
 drilling. Purchased
 residents. Then
 systems. EPA going
 to any other
 gauge wells. Future
 by water. Says that
 access. Plus to
 tapes. Checking
 speaks about
 s. Sub slab samples
 and a VOC
 WSDR says it's
 s for long term

exposure. Background or super fund
 is rapid response. Resident Nance
 asks about cost to bring in municipal
 water. OSC Linn talks about funding
 mechanisms. Nancy asks about funding
 of municipal water supply. OSC Schlesinger
 says all in neighbor hood. Nancy ask
 more about costs. OSC Schlesinger says
 a normal water bill is normal. Nancy ask
 about septic logistics and permits.
 Marion county REP says repair of
 septic is typical over installing sewer
 hook up. Nancy asks about plan for
 future sewer plan & lines - '2020
 plan for future sewer plan.

1921. OSC Schlesinger concludes meeting. Approximately
 10 residents were in attendance.
 1930. Resident reports that the old
 municipal dump was in the NE corner
 of water treatment facility.

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7-7-10

0730	M. BLAIR (START) calibrated to pH, conductivity, ORP and Dissolved O ₂ sensors with calibration standards current parametric pressure 30.11 inHg (764.79 mmHg). All readings are standards. MS	MS recorded on once the reading with the PRP i. Munnell + Associa
0834	START M. BLAIR & K. Hughes arrived at Michigan Plaza to meet up with U.S. EPA OSC S. Lam and PRP contacts Heather GASTMEYER-LYONS (Arcadis) and Andy GRAYSON (ENVIRO) were onsite.	1510 a representative. MW3-070710) a START K. Hughes. 4044 West Ver
0838	Sarah Webb and Andy Dammeyer (Munnell + Associates) and Shelley Lam arrived onsite for the day's activities.	water sample, 1 WVERMONT-RW2
0850	ERIN (IDEM) arrived onsite START M. BLAIR conducted site safety briefing.	1600 START M. BLAIR Dammeyer (Mun
0900	START, U.S. EPA + IDEM arrived at 4012 Cassell to collect a representative residential well water sample.	(Arcadis & M, E. MMW-P-01 to, water sample.
0930	Obtained Sample VSC-4012 Cassell-070710 Sample was obtained from by-pass	middle of an w. Michigan Ave
1000	Arrived @ MW-1001-S3 address 901 (GRANDE)	the water anal.
1030	pump on the well parameters are documented on a dedicated Field Sheet.	agreement with collected a repr.
1120	Sample MW-901GRANDE-070710 obtained	and MS/MSD sam, in Michigan-MW4-VSC-3815-WMichigan
1154	Sampling equipment disconnected	the other three collected a split
1200	on intersection of Holt & Michigan MW-170D	1600 START K. Hughes water sample for 4140 West Ver
1320	Sample VSC-HOLTSE-MW-070710 Sample obtained All data was documented on its own datasheet.	WVERMONT-RW3-C
1415	Arrived @ Michigan Meadows Well 165D The well is located in the back parking lot area behind the apartment complex. START M. BLAIR prepared the sampling equipment and monitoring instruments. The well was purged with the use of a low flow bladder pump until the water quality measurements stabilized. These readings	1700 START M. BLAIR, all purge water and staged it Michigan Ave. f

pH, conductivity, ORP
with calibration standard
0.11 mH₂ (764.79 mV).

used at Michigan Plaza
S. Lam and PRP contractor
(Mundell & Associates)

for the day's activities.
START M. Blair

4012 Cassell to collect
water sample.

12 Cassell - 070710

by pass

address 901 (GRAND) E
meters are
d Field Sheet-
E-070710 obtained

1/6/11 Michigan

2 - 070710

data was

data sheet.

adows Well 165D

ck parking lot near

START M. Blair

st and monitoring

erged with the we

with the water

red. These readings

are recorded on a monitoring well sampling log.
Once the readings had stabilized and with agreement
with the PRP representatives (Andy Dammer at
Mundell & Associates, Inc), START M. Blair collected

a representative water sample (VSC-101 Michigan -
MW3-070710) at 1515 hours.

1510 START K. Hughes and OSC S. Lam traveled to
4044 West Vermont to collect a residential
water sample. The sample # is VSC-4044
WVermont-RW2-070710.

1600 START M. Blair and PRP representatives Andy
Dammer (Mundell) and Heather Bastincau-Lyons
(Arcadis E&M, Inc.) arrived at monitoring well
MMW-P-01 to purge and collect a representative
water sample. The well was located in the
middle of an asphalt parking lot near 3814
W. Michigan Avenue. The well was purged until
the water quality measurements stabilized. With
agreement with the PRP representatives, START
collected a representative water sample, field duplicate
and MS/MSD sample. The sample # are: VSC-3815
WMichigan-MW4-070710, VSC-3815 WMichigan-MWD-070710,
VSC-3815-WMichigan-MWMS/MSD-070710. As with
the other three sampling wells, Mundell & Associates
collected a split sample.

1600 START K. Hughes and OSC S. Lam collected a
water sample from the residential well located at
4140 West Vermont Ave. The sample # VSC-4140
WVermont-RW3-070710.

1700 START M. Blair, upon approval from OSC Lam placed
all purge water in a labeled 55-gallon plastic drum
and staged it behind the building near 3814 West
Michigan Ave. for later pickup by the ERB contractor.

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1730 START K. Hughes traveled to 4042 West Vermont to collect a residential water sample and install a Summa canister to collect an ambient air sample. The water sample was numbered VSC-4042WVERMONT-RWS-070710. The Summa canister was numbered VSC-4042WVERMONT-AIR1-070710. — AB

1745 START K. Hughes traveled to 4018 West Vermont to collect a representative residential well sample "VSC-4018WVERMONT-RW4-070710 and VSC-4018WVERMONT-RWD-070710. START also placed a Summa canister in the residence to collect an ambient air sample. The details are recorded on a sample log and numbered VSC-4018WVERMONT-AIR2-070710.

1830 STARTS M. BLAIR & K. Hughes traveled to 4031 Cassell to collect a representative residential well water sample "VSC-4031Cassell-RW6-070710. — AB

1845 STARTS BLAIR & Hughes left site for the day.

7-8-10

1715 STARTS K. Hughes
West Vermont
For later Lab
VSC-4042WVER
sampling inform.

1735 STARTS K. Hughes
West Vermont
The detailed SA
A sampling log
AIR2-070710.

1745 All left site

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7-8-10

4042 WEST VERMONT
 sample and install
 - AN AMBIENT AIR
 1 numbered
 70710. The SUMMA
 42 VERMONT - AIR 1 -
 AB
 4018 WEST VERMONT
 residential well sample
 70710 and USC-4018
 also placed a SUMMA
 collect an ambient
 ordered on a sample
 70710 - AIR 2 - 070710.
 traveled to 4031
 residential well
 - RW6-070710. - AB
 for the day.

1715 STARTS K. HAYDEN and D. SENA arrived at 4042
 WEST VERMONT TO retrieve the SUMMA canister
 for later laboratory analysis. The sample # is
 USC-4042 WEST VERMONT - AIR 1 - 070710. The detailed
 sampling information was recorded on a sample log.

1735 STARTS K. HAYDEN and D. SENA arrived at 4018
 WEST VERMONT TO retrieve the SUMMA canister.
 The detailed sampling information was recorded on
 a sample log. The sample # was USC-WVERMONT-
 AIR 2 - 070710. AB

1745 All left site for the day. AB

Log Notes for 10-28-09

0730 Hours: START Kane arrives on site at 4042 West Vermont Street in Marion County, Speedway, Indiana.

0800 Hours: START Kane meets with Property owner Juanita Smith and obtains signed *Consent for Access to Property* Paperwork for property at 4042 West Vermont Street and for property at 4018 West Vermont Street which is owned by Peggy Smith.

0830 Hours: START Kane is informed by Environmental Restoration's (ER's) Removal Manager Richie Byrd that parts for the vinyl chloride filter installation are not presently available and he will have to obtain the parts during the day for installation activities to begin on 10-29-09.

0900 Hours: OSC Brian Schlieger arrives to site and is debriefed by Richie Byrd of the present part situation. OSC Schlieger determines that installation activities will begin at 0800 Hours on 10-29-09. OSC Schlieger and START Kane conduct reconnaissance activities of commercial/industrial businesses that are presently considered potential responsible parties.

0930 Hours: START Kane, OSC Schlieger and RM Richie Byrd off-site for the day.

Log Notes for 10-29-09

0800 Hours: START Kane arrives on site to 4018 West Vermont Street, OSC Schlieger and RM Richie Byrd on Site. OSC Schlieger obtains signed *Consent for Access to Property* Paperwork from renter of property Katherine Mueller (Landlord is Peggy Smith)

0845 Hours: Two plumbers arrive on site (Doug Scaggs & Richard Sommers) from B & W Plumbing Speedway, Indiana 46224 Telephone # 317-243-3581; Fax# 317-243-4444; e-mail www.bplusw.com.

0915 Hours: Plumbers measure door leading down to sub-basement (29".00) and will have to remove door due to width of 'air stripper' canister that is part of the vinyl chloride treatment system.

0930 Hours: Plumbers will have to access side entry door in order to move air-stripper into house prior to entry into sub-basement

0940 Hours: Plumbers assessing where holes will have to be cut for plumbing set-up (4" PVC pipe) from interior to exterior of rear of house near where existing AC unit is located.

1000 Hours: Plumbers utilize pump to drain existing 80 gallon pressure tank due to no drains in sub-basement of 4018 West Vermont. Note drainage hose pump leads outside to garden area.

1100 Hours: Installation activities continue at 4018 West Vermont. Plumbers in process of fabricating copper pieces within back of company work truck and figuring out placement logistics of majority of treatment system and associated copper and PVC piping in relation to existing well treatment system located in sub-basement.

1130 Hours: Plumber returns with a 'uni-body strut' mount for pump that will be attached to top of treatment pressure tank (according to plumbers this is the ideal set-up!). RM Richie Byrd along with START Kane overseeing installation activities within sub-basement.

1230 Hours: Plumbers begin cinder block coring activities where 4" PVC pipe will exit from subbasement. Filter system installation activities continue within sub-basement by other plumber.

1330 Hours: Plumbers have completed cinder block coring activities. Plumbers identify faulty part of vinyl chloride filter system set-up that is causing leaks (actuator valves that contain seals 'Photo documented'). Leaking valves will have to be 'swapped out' and replaced.

1400 Hours: Plumbers will 'switch out' actuator valves from another unit and test system. PVC conduit system presently being measured and cut for installation of 'pipe run' outside of house.

1430 Hours: Installation activities continue within sub-basement. Plumbers now confirm no leaks with replaced actuator valves. Outdoor PVC pipe activities underway i.e. PVC elbow to straight run to blower to straight run.

1545 Hours: Installation of PVC Conduit and blower from back side of house near AC unit is complete. Pipe extends above roofline and additional pieces added gives a 45 degree bend towards the roof. Metal mesh wiring placed within 'lip' of exhaust pipe to discourage birds from nesting and any other large materials from entering exhaust lip.

1600 Hours: Filter installation activities completed at 4018 West Vermont Street. Electrician will be on-site tomorrow for electrical wiring activities associated with filter system

1630 Hours: All Personell off-site.

Log Notes for 10-30-09

0830 Hours: START Kane, OSC Schlieger on site. Richie Byrd on site at 0815 Hours. Electrician from Guardian/Dowdy Electric on site at 0830 Hours (David Reynolds).

0900 Hours: Plumber (Richard Sommers) from B & W on site to install vinyl chloride filtration system at 4042 West Vermont Street on main floor of residence in area between house and garage (addition). Electrician starting at 4018 W. Vermont will wire electrical box for pump and blower to city code standards. When completed electrician is scheduled to wire filter system at 4042 W. Vermont Street.

1000 Hours: Electrical wiring activities continue at 4018 W. Vermont. Plumbing activities continue at 4042 W. Vermont Street.

1030 Hours: Electrician has finished wiring activities at 4018 W. Vermont and will begin wiring at 4042 Hours.

1230 Hours: Wiring activities completed at 4042 W. Vermont, Electrician off-site. Filter installation activities continue.

1300 Hours: Filter system (pump, blower and air stripper) activated at 4018 W. Vermont. START Kane provides photo copy of signed access agreement to renter (Kathy Mueller) at 4018 W. Vermont.

1400 Hours: Filter installation activities continue at 4042 W. Vermont. System at 4018 W. Vermont functioning normal.

1500 Hours: OSC Schlieger off-site, installation activities continue at 4042 Hours.

1700 Hours: Filter installation activities have been completed at 4042 and system has been activated and is operating normally. START requests a 're-check' of operations to confirm no leaks at 4018 W. Vermont Street. Due to heavy and persistent rain throughout the afternoon, the RM will return to site on Monday November 2nd to seal the gap around the PVC pipe that exits the back side of the house with silicone caulk. The RM will also bring more bottled water to both residents. **Note:** Speedway/Marion County Health Department representative who is in correspondence with OSC Schlieger stating he will obtain post filter water samples from both residential properties on Monday November 2nd and will process the samples to their internal lab for laboratory analysis and potential receive results by Thursday November 5th, until then EPA advised residents to still drink bottled water and to 'flush' the system as much as possible over the weekend. **Note:** no silicone caulking is needed at 4042 due to existing piping that resident already had.